

1969/79



**THE EDUCATION (DIPLOMA IN PHARMACY) REGULATIONS
1969**

ARTHUR PORRITT, Governor-General

ORDER IN COUNCIL

At the Government Buildings at Wellington this 5th day of May 1969

Present:

THE RIGHT HON. KEITH HOLYOAKE, C.H., PRESIDING IN COUNCIL

PURSUANT to the Education Act 1964, His Excellency the Governor-General, acting by and with the advice and consent of the Executive Council, hereby makes the following regulations.

REGULATIONS

1. Title—These regulations may be cited as the Education (Diploma in Pharmacy) Regulations 1969.

2. Interpretation—In these regulations, unless the context otherwise requires,—

“Council” means the governing body of the Central Institute of Technology:

“Institute” means the Central Institute of Technology:

“Registrar” means the Registrar of the Institute:

“School” or “School of Pharmacy” means the School of Pharmacy established as a department of the Institute.

3. Institute to provide course of study for Diploma in Pharmacy—The Institute shall provide a course of study at the School of Pharmacy for students wishing to meet the requirements prescribed in these regulations for the Diploma in Pharmacy.

4. Award of Diploma in Pharmacy—The Diploma in Pharmacy shall be awarded by the Institute to candidates who have completed the course of study for the Diploma in Pharmacy provided by the Institute in accordance with regulation 3 of these regulations and have passed the examinations prescribed in these regulations for students undertaking that course of study.

5. Admission to course of study—No person shall be admitted to the course of study for the Diploma in Pharmacy unless—

- (a) He has obtained a qualification recognised by the Universities Entrance Board, constituted under section 38 of the Universities Act 1961, for admission to a university in New Zealand; and
- (b) Has been accepted by the School of Pharmacy as a student of the course.

6. Examinations for Diploma in Pharmacy—The School of Pharmacy shall conduct the following examinations for candidates undertaking the course of study for the Diploma in Pharmacy:

- (a) An examination, to be known as the First Professional Examination, in the subjects prescribed in Part I of the Schedule to these regulations;
- (b) An examination, to be known as the Second Professional Examination, in the subjects prescribed in Part II of the Schedule to these regulations;
- (c) An examination, to be known as the Third Professional Examination, in the subjects prescribed in Part III of the Schedule to these regulations.

7. Entry to First Professional Examination—No person shall present himself for the First Professional Examination unless he has—

- (a) Attended the appropriate course of education and training at the School for a period of 1 academic year; and
- (b) Performed to the satisfaction of the Head of the School such oral, written, practical, and other work as may be required; and
- (c) Made application to the Registrar in writing in that behalf and paid the examination fee from time to time fixed by the Council.

8. Entry to Second Professional Examination—No person shall present himself for the Second Professional Examination unless he has—

- (a) Passed the subjects Pharmaceutics I, Pharmaceutical Chemistry I, and Pharmaceutical Biology for the First Professional Examination; and
- (b) Thereafter attended the appropriate course of education and training at the School for a period of 1 academic year; and
- (c) Performed to the satisfaction of the Head of the School such written, oral, practical, and other work as may be required; and
- (d) Made application to the Registrar in writing in that behalf and paid the examination fee from time to time fixed by the Council.

9. Entry to Third Professional Examination—No person shall present himself for the Third Professional Examination unless he has—

- (a) Passed the First and Second Professional Examinations; and
- (b) Thereafter attended the appropriate course of education and training at the School for a period of 1 academic year; and
- (c) Performed to the satisfaction of the Head of the School such written, oral, practical, and other work as may be required; and

- (d) Made application to the Registrar in writing in that behalf and paid the examination fee from time to time fixed by the Council.

10. Crediting of passes—(1) No candidate shall be credited with a pass in any of the professional examinations unless he has been credited with a pass in all subjects of that professional examination in the same year.

(2) For the purpose of subclause (1) of this regulation, a candidate for any of the professional examinations in any year shall be credited with a pass in that year in respect of every subject of that professional examination in which—

- (a) He has obtained a pass in the examination; or
- (b) Having failed to obtain a pass in the subject or section of the subject, he has subsequently obtained a pass in the subject or section of a subject at a special examination or subsequent ordinary examination which he has been permitted to sit in accordance with subclause (3) or subclause (4) of this regulation; or
- (c) He has been exempted in accordance with subclause (5) of this regulation; or
- (d) He has obtained an aegrotat pass in accordance with regulation 12 of these regulations.

(3) A candidate for any of the professional examinations who fails in the written or practical section (but not both) of one subject of that examination or a candidate for the First Professional Examination who fails in Mathematics or in Mathematics and the written or practical section (but not both) of one other subject of that examination may, with the approval of the Head of the School, be permitted to sit any section of a subject or subject so failed at a special examination to be held at a time and place to be determined by the Head of the School.

(4) A candidate for any of the professional examinations who fails in one subject of that examination or a candidate for the First Professional Examination who fails in two subjects (of which one is Mathematics) of that examination, or a candidate who, having been permitted to sit a special examination in any subject or section of a subject in accordance with subclause (3) of this regulation, has failed to pass that subject or section of a subject in the special examination, may, with the approval of the Head of the School, be permitted to sit any such subject, or subjects, or section of a subject so failed at a subsequent ordinary examination without being required to satisfy the examiners in any subject which he has previously passed.

(5) The Council may, on application being made to it by any person, exempt that person from any subject of any of the professional examinations if it is satisfied that the applicant has passed an examination of equivalent standard in that subject.

11. Council may decline application for examination—The Council may decline to accept the application for entry to any of the professional examinations of a candidate who has previously failed that examination and who, in its opinion, should not be permitted to continue as a candidate for the Diploma in Pharmacy.

12. Aegrotat pass—Any candidate who has been prevented by illness from presenting himself for examination in any subject or subjects of any of the professional examinations, or who considers that his performance in the examination in any such subject or subjects has been seriously impaired by illness, may, on application, and with the approval of the Head of the School, be granted an aegrotat pass in any of the subjects concerned, subject to the following conditions:

- (a) That such illness shall have been reported in writing to the Chief Supervisor of the examination, or other responsible official, at the earliest possible opportunity:
- (b) That as soon as practicable after the examination in question the candidate furnish to the Registrar a certificate from a registered medical practitioner stating—
 - (i) That he examined the candidate medically on a specified date:
 - (ii) That in his opinion the candidate was unable through illness to present himself for the examination in question, or that in his opinion the candidate's performance in the examination in question was likely to have been seriously impaired by illness:
 - (iii) The nature of the illness in sufficient detail to make it clear that the candidate was not responsible for his disability, and in a form suitable for submission in cases of doubt to a medical referee:
- (c) That the candidate's responsible teachers in the subject or subjects of the examination in question certify that his work therein during his course of instruction was well above the minimum pass standard and that he is in their opinion clearly worthy to pass in that subject or subjects:
- (d) That the quality of any work which the candidate has completed in the examination in the subject or subjects concerned (including work in papers not affected by his illness) be taken into account:
- (e) That application for an aegrotat pass, accompanied by the medical certificate, shall be made in writing to the Registrar not later than the 13th day of November of the year in which the examination has been held.

SCHEDULE

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SUBJECTS FOR EXAMINATIONS

PART I

The subjects for the First Professional Examination shall be the following:

Pharmaceutics I

(One written paper)

Introduction to pharmacy. Physical and physico-chemical basis of pharmaceutical operations and products. Introduction to compounding.

SCHEDULE—*continued*

Pharmaceutical Chemistry I

(Two written papers)

Chemical structure and bonding. Inorganic pharmaceutical chemistry. Introductory organic chemistry. Principles of analysis. Physical chemistry.

Pharmaceutical Biology

(Two written papers)

Characteristics of plants relevant to sources of drugs. The animal cell. Vertebrate anatomy. Mammalian physiology. Embryology. Parasitology. General and systematic microbiology.

Mathematics

(One written paper)

Topics appropriate to pharmacy and physical chemistry. Statistical treatment of experimental observations.

Practical Work

Candidates will be required to carry out practical work to illustrate any aspect of the subjects for the First Professional Examination. Any candidate whose practical work during the year is not of acceptable standard shall be required to sit a practical examination in the subject or subjects concerned.

PART II

The subjects for the Second Professional Examination shall be the following:

Pharmaceutics II

(Two written papers and two practical papers)

Principles of preparation and manufacture of medicinal products including sterile products and microbiological products.

Pharmaceutical Chemistry II

(Two written papers)

Further organic and physical chemistry. Biochemistry. Medicinal chemistry. Pharmaceutical analysis.

Pharmacognosy

(One written paper)

Medicinal substances derived from natural sources.

Pharmacology I

(One written paper)

Human physiology. Actions of drugs on living systems.

Practical Work

Candidates will be required to carry out practical work to illustrate any aspect of the subjects for the Second Professional Examination. A candidate shall sit practical examinations in Dispensing and Applied

SCHEDULE—*continued*

Microbiology for Pharmaceutics II. Any candidate whose practical work during the year in the remaining subjects is not of acceptable standard shall be required to sit a practical examination in the subject or subjects concerned.

PART III

The subjects for the Third Professional Examination shall be the following:

Pharmaceutics III

(Two written papers and one practical paper)

Modern medicinal products. Biopharmaceutics. Quality control. Incompatibilities.

Pharmaceutical Chemistry III

(Two written papers)

Further organic and medicinal chemistry. Instrumental methods of analysis.

Pharmacology II

(One written paper)

Actions of drugs on living systems.

Forensic Pharmacy and Administration

(One written paper)

Law, ethics, and management.

Practical Work

Candidates will be required to carry out practical work to illustrate any aspect of the subjects for the Third Professional Examination. A candidate shall sit a practical examination in Modern Dispensing for Pharmaceutics III. Any candidate whose practical work during the year in the remaining subjects is not of acceptable standard shall be required to sit a practical examination in the subject or subjects concerned.

Assignment Report

Each student will be given an assignment on a topic relevant to a subject of the course and must submit a written report of acceptable standard thereon before the end of the year.

P. J. BROOKS,
Clerk of the Executive Council.

EXPLANATORY NOTE

This note is not part of the regulations, but is intended to indicate their general effect.

These regulations prescribe examinations for students undertaking the course of study for the Diploma in Pharmacy.

Issued under the authority of the Regulations Act 1936.

Date of notification in *Gazette*: 8 May 1969.

These regulations are administered in the Department of Education.